

Dredge Sugar Island Project Name/Location:				Contract Number: W9127N-05-C-0012			
Columbia River Channel Improvement - RM 95+00-104+20.							
Date: 12/01/2005							
Disposal Load Number 1461 Tidal Stage Ebb Dredge State: Split Hull Weather: Overcast Wind: 0-5 kts Seas: 0-1' Disposal location Columbia River RM 101	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
	DSP-1	20.5	7:47:13	7622667.58	735757.40	1.3	
	DSP-2	21.0	8:06:15	7622755.49	735396.25	11.6	14.1
	DSP-2R1	21.6	8:06:18	7622755.66	735402.33	11.3	14.1
	DSP-3	21.4	8:07:48	7622906.85	735429.08	1.0	
	DSP-4	20.5	8:09:38	7622430.82	736385.86	11.8	
	DSP-4R1	20.3	8:09:41	7622427.18	736392.89	11.4	
Remarks:				Action Taken:			
DSP-2 exceeded 10% over background, taken in the plume.				Re-test DSP-2R1 was taken.			
DSP-4 exceeded 10% over background, taken in the plume.				Re-test DSP-4R1 was taken.			
DSP-3 taken out of plume on port side.							
				The disposal ended and the dredge moved away from the area.			
Sample Point Key	All Tests Conducted With YSI 6600					Turbidity Compliance	DO Compliance
DSP-1	Background - 100' Up Current, Within 600-Foot of Channel					OR WA WA	OR, WA Not Required Not Required
DSP-2	100' Down Current						
DSP-3	150' Radially from point of dredge (Port or Starboard)						
DSP-4	900' Down Current from point of dredging						
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point						

Dredge Sugar Island Project Name/Location:		Contract Number: W9127N-05-C-0012					
Columbia River Channel Improvement - RM 95+00-104+20.							
Date: 12/01/2005							
Dredging <u>Load Number</u> 1462 <u>Tidal Stage</u> Ebb <u>Dredge State:</u> Overflow through skimmers only <u>Weather:</u> Overcast <u>Wind:</u> 0-5 kts <u>Seas:</u> 0-1' <u>Disposal location</u> Columbia River RM 101	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
	DR-1	20.6	8:44:54	7624985.30	762673.28	1.2	
	DR-2	20.8	8:47:35	7624762.24	762004.69	13.7	13.2
	DR-2R1	21.2	8:47:38	7624762.24	762004.69	11.3	13.5
	DR-4	19.8	8:48:57	7624700.98	761641.63	13.3	
	DR-4R1	20.1	8:49:00	7624700.98	761641.63	12.8	
	DR-3	20.4	8:51:03	7625392.81	763087.45	13.5	
	DR-3R1	21.1	8:51:06	7625397.23	763093.40	13.0	
Remarks:				Action Taken:			
DR-2 exceeded 10% over background, taken in the plume.				Re-test DR-2R1 was taken.			
DR-4 exceeded 10% over background, taken in the plume.				Re-test DR-4R1 was taken.			
DR-3 exceeded 10% over background, taken out of plume				Re-test DR-3R1 was taken.			
on starboard side.				The dredge moved away from the area while continuing dredging to avoid further increasing the turbidity at the location where the exceedence was measured. The dredge coordinates were marked on the GPS screen to insure no further dredging occurred at the location where the exceedence was measured.			
Sample Point Key	All Tests Conducted With YSI 6600					Turbidity Compliance	DO Compliance
DR-1	Background - 100' Up Current, Within 600-Foot of Channel					OR WA WA	OR, WA Not Required Not Required
DR-2	100' Down Current						
DR-3	300' Radially from point of dredge (Port or Starboard)						
DR-4	900' Down Current from point of dredging						
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point						

Dredge Sugar Island Project Name/Location: Contract Number: W9127N-05-C-0012							
Columbia River Channel Improvement - RM 95+00-104+20.							
Date: 12/01/2005							
Dredging <u>Load Number</u> 1463 <u>Tidal Stage</u> Ebb <u>Dredge State:</u> Overflow through skimmers only <u>Weather:</u> Overcast <u>Wind:</u> 0-5 kts <u>Seas:</u> 0-1' <u>Disposal location</u> Columbia River RM 101	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
	DR-1	20.5	15:37:34	7624632.92	761947.52	2.2	
	DR-2	20.6	15:38:51	7624957.40	762436.96	8.2	13.5
	DR-2R1	20.7	15:38:54	7624957.57	762443.03	5.9	13.6
	DR-4	18.5	15:40:16	7624947.02	762674.35	12.5	
	DR-4R1	19.0	15:40:19	7624951.44	762680.30	12.2	
	DR-3	21.0	15:42:22	7624393.33	761297.63	2.8	
	DR-3R1	21.0	15:42:25	7624393.33	761297.63	3.1	
Remarks:				Action Taken:			
DR-2 exceeded 10% over background, taken in the plume.				Re-test DR-2R1 was taken.			
DR-4 exceeded 10% over background, taken in the plume.				Re-test DR-4R1 was taken.			
DR-3 exceeded 10% over background, taken out of plume				Re-test DR-3R1 was taken.			
on starboard side.				The dredge moved away from the area while continuing dredging to avoid further increasing the turbidity at the location where the exceedence was measured. The dredge coordinates were marked on the GPS screen to insure no further dredging occurred at the location where the exceedence was measured.			
Sample Point Key	All Tests Conducted With YSI 6600					Turbidity Compliance	DO Compliance
DR-1	Background - 100' Up Current, Within 600-Foot of Channel					OR WA WA	OR, WA Not Required Not Required
DR-2	100' Down Current						
DR-3	300' Radially from point of dredge (Port or Starboard)						
DR-4	900' Down Current from point of dredging						
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point						

Project Name/Location: Columbia River Channel Improvement, RM 101+10 to 100+40				Contract Number: W9127N-06-C-CRCI			
Date: 12/01/2005							
Dredge OREGON Tidal Stage Ebb Weather: Overcast, Light rain Wind: 0-5 kts Seas: 0-1' Disposal location Gateway (upland)	Sample Point	Depth (ft)	Time	X-Coordinate	Y-Coordinate	Turbidity (NTU)	DO (Mg/L)
	DRP-1 (21)	20.4	7:22:23	7623083.577	734472.582	4.8	NA
	DRP-2 (22)	19.5	7:27:51	7622932.415	734864.931	4.0	11.5
	DRP-3 (23)	20.3	7:31:24	7622842.238	735051.303	3.7	NA
	DRP-4 (24)	20.2	7:38:47	7623075.007	734869.322	3.9	NA
Retest @ point of exceedance							
All coordinates are Oregon State Plane North 3601; Datum: NAD 83							
Remarks:				Action Taken:			
No exceedances.				None required.			
John Cannon present during sampling.							
Sample point numbers in parenthesis correspond with							
YSI 650 MDS logged data.							
Sample Point Key	All Tests Conducted With YSI 6600					Turbidity Compliance	DO Compliance
DRP-1	Background - 100' Up Current, Within 600-Foot of Channel					N/A	Not Required
DRP-2	100' Down Current of the Cutterhead					OR	OR, WA
DRP-3	300' Down Current of the Cutterhead					WA	Not Required
DRP-4	150' lateral of the cutterhead (Port or Starboard)					WA	Not Required
DRPT	Indicates additional testing at the point of exceedence						
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point						

COLUMBIA RIVER CHANNEL IMPROVEMENTS - DREDGING

Project Name/Location: Columbia River Channel Improvement, RM 101+10 to 100+40				Contract Number: W9127N-06-C-CRCI			
Date: 12/01/2005							
Dredge Oregon Tidal Stage Ebb Weather: Overcast, Light rain Wind: 0-5 kts Seas: 0-1' Disposal location Gateway (Upland)	Sample Point	Depth (ft)	Time	X-Coordinate	Y-Coordinate	Turbidity (NTU)	DO (Mg/L)
	DSPP-1 (11)	20.2	7:44:35	7623817.586	735528.8	3.7	NA
	DSPP-2 (12)	20.3	7:47:24	7623803.325	735786.723	NA	11.5
	DSPP-3 (13)	20.3	7:50:46	7623523.848	736191.053	4.5	NA
Retest @ point of exceedance							
All coordinates are Oregon State Plane North 3601; Datum: NAD 83							
Remarks:				Action Taken:			
No exceedances.				None required.			
John Cannon present during sampling.							
Turbidity 0.8 over background.							
Sample point numbers in parenthesis correspond with							
YSI 650 MDS logged data.							
Sample Point Key	All Tests Conducted With YSI 6600					Turbidity Compliance	DO Compliance
DSPP-1	100' up current (background) within 600' channel					N/A	N/A
DSPP-2	100' down current from the discharge					Not Required	WA
DSPP-3	600' down current, 150' lateral to the discharge					WA	Not Required
DSPPT	Indicates additional testing at the point of exceedence						
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point						

COLUMBIA RIVER CHANNEL IMPROVEMENTS - DREDGING

Project Name/Location: Columbia River Channel Improvement, RM 101+10 to 100+40				Contract Number: W9127N-06-C-CRCI			
Date: 12/01/2005							
Dredge Oregon Tidal Stage Ebb Weather: Overcast, Light rain Wind: 0-5 kts Seas: 0-1' Disposal location Gateway (Upland)	Sample Point	Depth (ft)	Time	X-Coordinate	Y-Coordinate	Turbidity (NTU)	DO (Mg/L)
	DSPP-1 (11)	20.1	9:22:07	7623863.056	735554.154	4.0	NA
	DSPP-2 (12)	20.1	9:25:43	7623775.438	735768.172	NA	11.4
	DSPP-3 (13)	20.2	9:33:42	7623521.242	736161.945	5.6	NA
Retest @ point of exceedance							
All coordinates are Oregon State Plane North 3601; Datum: NAD 83							
Remarks:				Action Taken:			
No exceedances.				None required			
Turbidity 1.6 over background.							
Sample point numbers in parenthesis correspond with							
YSI 650 MDS logged data.							
Sample Point Key	All Tests Conducted With YSI 6600					Turbidity Compliance	DO Compliance
DSPP-1	100' up current (background) within 600' channel					N/A	N/A
DSPP-2	100' down current from the discharge					Not Required	WA
DSPP-3	600' down current, 150' lateral to the discharge					WA	Not Required
DSPPT	Indicates additional testing at the point of exceedence						
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point						

COLUMBIA RIVER CHANNEL IMPROVEMENTS - DREDGING

Project Name/Location: Columbia River Channel Improvement, RM 101+10 to 100+40				Contract Number: W9127N-06-C-CRCI			
Date: 12/01/2005							
Dredge Oregon Tidal Stage Ebb Weather: Overcast, Light rain Wind: 0-5 kts Seas: 0-1' Disposal location Gateway (Upland)	Sample Point	Depth (ft)	Time	X-Coordinate	Y-Coordinate	Turbidity (NTU)	DO (Mg/L)
	DSPP-1 (11)	20.3	11:21:46	7623861.379	735558.213	4.2	NA
	DSPP-2 (12)	20.2	11:25:00	7623816.758	735782.335	NA	11.4
	DSPP-3 (13)	19.9	11:27:49	7623521.824	736182.72	4.1	NA
Retest @ point of exceedance							
All coordinates are Oregon State Plane North 3601; Datum: NAD 83							
Remarks:				Action Taken:			
No exceedances.				None required.			
Sample point numbers in parenthesis correspond with							
YSI 650 MDS logged data.							
Sample Point Key	All Tests Conducted With YSI 6600					Turbidity Compliance	DO Compliance
DSPP-1	100' up current (background) within 600' channel					N/A	N/A
DSPP-2	100' down current from the discharge					Not Required	WA
DSPP-3	600' down current, 150' lateral to the discharge					WA	Not Required
DSPPT	Indicates additional testing at the point of exceedence						
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point						

COLUMBIA RIVER CHANNEL IMPROVEMENTS - DREDGING

Project Name/Location: Columbia River Channel Improvement, RM 101+10 to 100+40				Contract Number: W9127N-06-C-CRCI			
Date: 12/01/2005							
Dredge Oregon Tidal Stage Ebb Weather: Overcast, Light rain Wind: 0-5 kts Seas: 0-1' Disposal location Gateway (Upland)	Sample Point	Depth (ft)	Time	X-Coordinate	Y-Coordinate	Turbidity (NTU)	DO (Mg/L)
	DSPP-1 (11)	20.0	13:23:23	7623819.906	735538.583	3.8	NA
	DSPP-2 (12)	20.3	13:27:33	7623802.621	735761.574	NA	11.5
	DSPP-3 (13)	20.1	13:31:03	7623494.642	736189.318	4.7	NA
Retest @ point of exceedance							
All coordinates are Oregon State Plane North 3601; Datum: NAD 83							
Remarks:				Action Taken:			
No exceedances.				None required.			
Sample point numbers in parenthesis correspond with							
YSI 650 MDS logged data.							
Sample Point Key	All Tests Conducted With YSI 6600					Turbidity Compliance	DO Compliance
DSPP-1	100' up current (background) within 600' channel					N/A	N/A
DSPP-2	100' down current from the discharge					Not Required	WA
DSPP-3	600' down current, 150' lateral to the discharge					WA	Not Required
DSPPT	Indicates additional testing at the point of exceedence						
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point						

COLUMBIA RIVER CHANNEL IMPROVEMENTS - DREDGING

Project Name/Location: Columbia River Channel Improvement, RM 101+10 to 100+40				Contract Number: W9127N-06-C-CRCI			
Date: 12/01/2005							
Dredge Oregon Tidal Stage Slack Weather: Overcast, Light rain Wind: 0-5 Kts Seas: 0-1' Disposal location Gateway (Upland)	Sample Point	Depth (ft)	Time	X-Coordinate	Y-Coordinate	Turbidity (NTU)	DO (Mg/L)
	DSPP-1 (11)	20.0	15:21:05	7623831.325	735535.345	4.6	NA
	DSPP-2 (12)	20.0	15:25:14	7623784.445	735742.751	NA	11.5
	DSPP-3 (13)	19.8	15:28:51	7623508.146	736187.48	3.9	NA
Retest @ point of exceedance							
All coordinates are Oregon State Plane North 3601; Datum: NAD 83							
Remarks:				Action Taken:			
No exceedances.				None required.			
Sample point numbers in parenthesis correspond with							
YSI 650 MDS logged data.							
Sample Point Key	All Tests Conducted With YSI 6600					Turbidity Compliance	DO Compliance
DSPP-1	100' up current (background) within 600' channel					N/A	N/A
DSPP-2	100' down current from the discharge					Not Required	WA
DSPP-3	600' down current, 150' lateral to the discharge					WA	Not Required
DSPPT	Indicates additional testing at the point of exceedence						
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point						